Service Bulletin

Passionate About Sound

Title:	**PLX2 Faceplate Replacement**
Bulletin #:	PLC0012
Issue Date:	9 April 2008
Models Affected:	All PLX2 (not original PLX series)
Bulletin Revision:	Rev. A
Production Range:	All

Description

This bulletin describes the recommended procedure for replacing the faceplate on a PLX2 amplifier. (The procedure may be more involved than it first seems, because there are mounting screws hidden behind the faceplate labels.)

Parts and tools needed

- Faceplate (QSC part number CH-000426-00)
- Faceplate labels: model, LED lens, and gain (see table)
- #3 Philips screwdriver
- 7/16" nutdriver
- Pliers

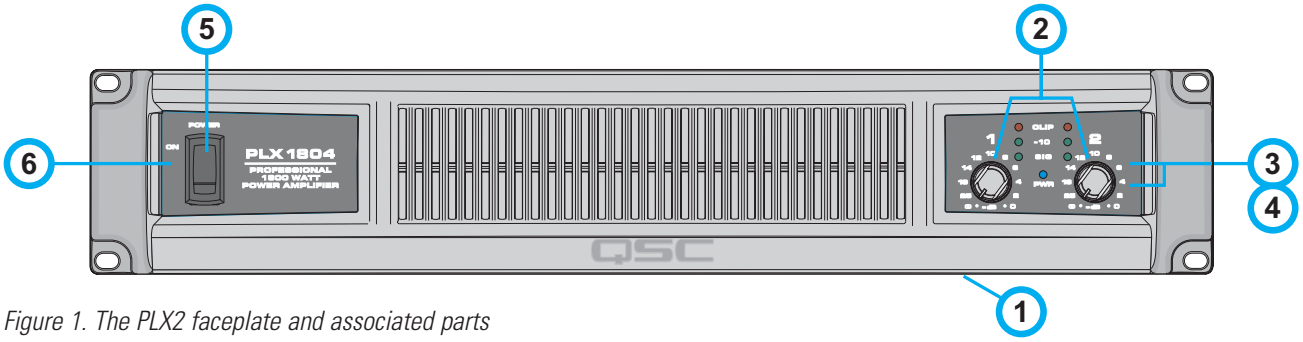


Figure 1. The PLX2 faceplate and associated parts

Procedure

Removal of the old faceplate

1. Unplug the amplifier from the AC mains and let it sit for at least five minutes to allow internal voltages to bleed down.
2. Remove bottom cover (1).
3. Pull both gain control knobs (2) straight off their shafts.
4. Remove the gain control mounting nuts and lockwashers on the front of the faceplate. Separate the gain/display board from the faceplate.
5. Peel off the gain label (3) and the LED lens label (4) under it. Once you get an edge raised on a label, you might need to grip it with pliers to pull it off the rest of the way. Warming the label with a hair dryer may make it easier to peel.
6. Behind the faceplate, squeeze the mounting tabs of the power switch (5) and push it out of its mounting hole.
7. Using pliers, disconnect the wires from the power switch.
8. Peel off the model label (6).
9. Remove the faceplate mounting screws. There are two on each side panel behind the rack mounting ears and two on the front, where the labels were. Remove the faceplate.

Table 1. Faceplate labels needed, by amp model

	Left side	*Right side*	
	Model	**LED lens**	**Gain**
PLX1104	LB-000578-00	LB-000526-00	LB-000585-00
PLX1804	LB-000579-00	LB-000526-00	LB-000585-00
PLX1802	LB-000580-00	LB-000526-00	LB-000584-00
PLX2502	LB-000581-00	LB-000526-00	LB-000584-00
PLX3102	LB-000582-00	LB-000526-00	LB-000584-00
PLX3602	LB-000583-00	LB-000526-00	LB-000584-00

Installing the new faceplate

10. Put the new faceplate in place and install all six mounting screws. Note that the faceplate's side panel mounting holes are not threaded. The self-tapping mounting screws for these holes are meant to cut threads in the cast aluminum, so they may be difficult to tighten; when tightening a self-tapping screw, you might sometimes need to loosen it slightly before tightening further.
11. Peel the backing from the label with the amp model number (6) and carefully place it on the left side of the faceplate. Press it firmly in place.
12. Pass the switch wires through the faceplate opening for the power switch (5). Attach them to the switch (Figure 2).
13. Orient the switch as shown in Figure 2 and press it into the faceplate opening. It will snap into place.

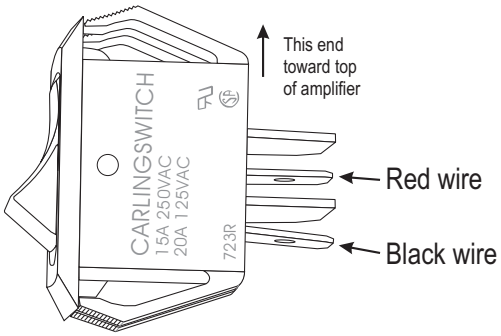
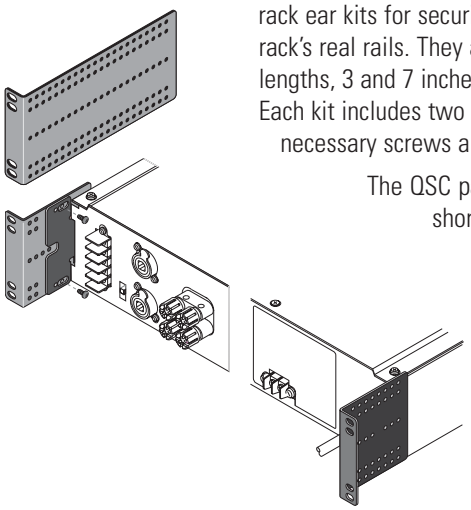


Figure 2. Wiring and orientation of the power switch.

14. Reinstall the gain/display board. Place the lockwashers and nuts and tighten them snugly, but be careful not to overtighten them.
15. Peel the backing from the LED lens label (4) and carefully place it on the right side of the faceplate. Press it firmly in place.
16. Place the gain label (3) on top of the LED lens label. Press it firmly.
17. Press the knobs (2) onto the gain control shafts.
18. Reinstall the bottom cover (1) and make sure the amp works properly.

Rear support for power amplifiers

Especially in a mobile or portable sound system, a power amplifier mounted in an equipment rack should also be supported at the rear to prevent damage, such as bending or cracking, to the faceplate.



The QSC Technical Services Group offers rear rack ear kits for securing an amplifier to the rack's real rails. They are available in two lengths, 3 and 7 inches (75 mm and 177 mm). Each kit includes two L-bracket ears and the necessary screws and hardware.

The QSC part number for the shorter rear rack ear kit is FG-000031-00. The part number for the longer kit is FG-000081-00.

Contact information

This bulletin is available for download from the Service Bulletins page in the *Tech Support* section of the QSC Audio Web site: **http://www.qscaudio.com/support/technical_support/bulletins.htm**. If you need any further information regarding this service procedure, please contact QSC Technical Services at the addresses or numbers below.

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